Proceeding: <u>R.11-02-019</u> Exhibit No.: \_\_\_\_\_\_ Date: <u>9-6-2013</u>

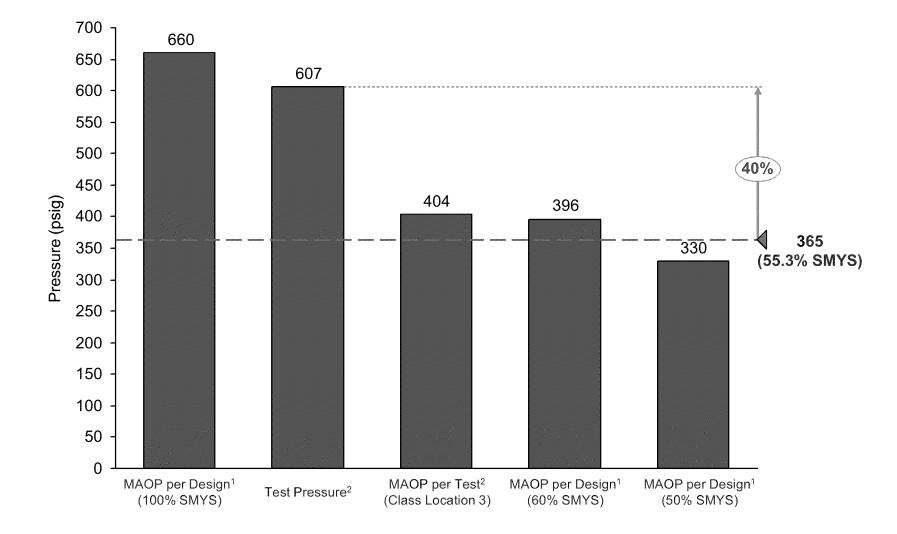
#### PACIFIC GAS AND ELECTRIC COMPANY

#### **PG&E Direct Exhibits**



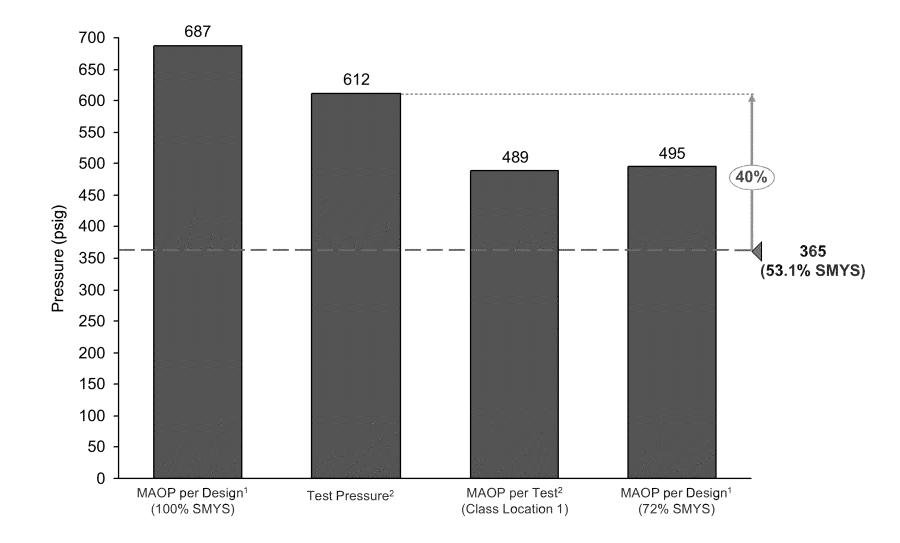
SB\_GT&S\_0052378





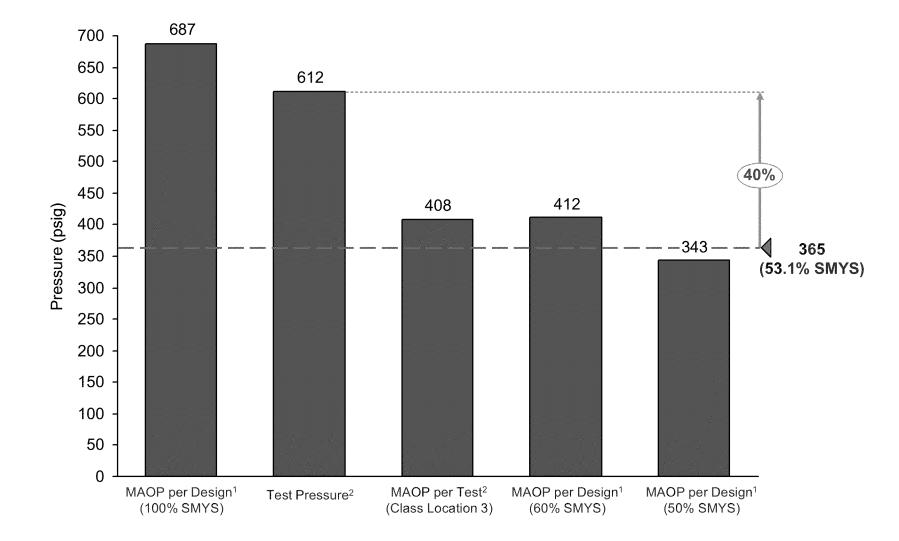
2. Based on Strength Test Pressure Record





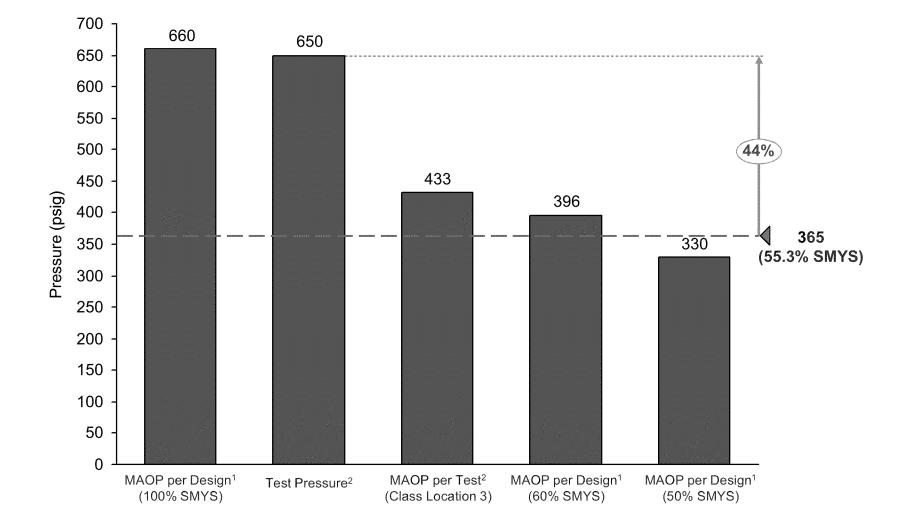
2. Based on Strength Test Pressure Record





2. Based on Strength Test Pressure Record





2. Based on Strength Test Pressure Record

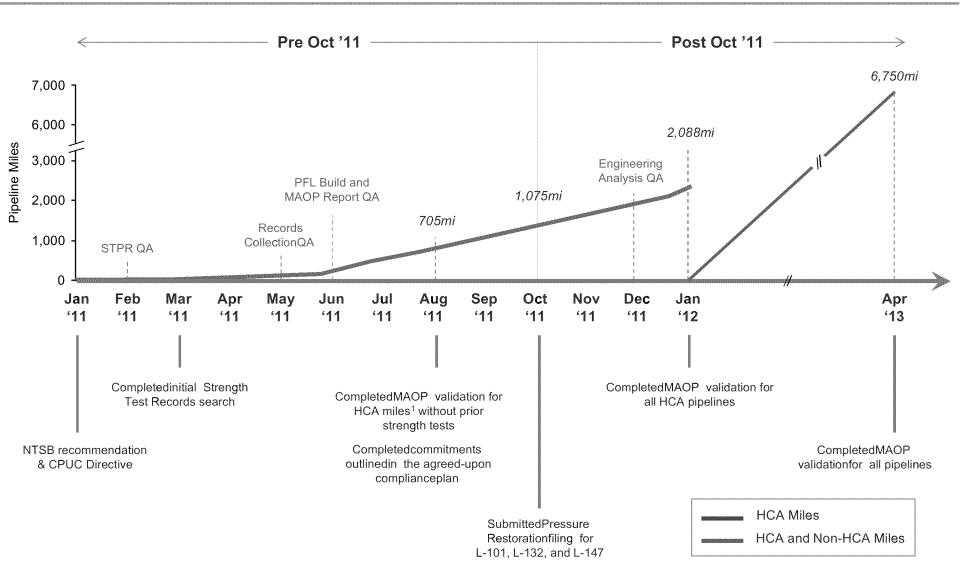


All pressure restoration orders suspended				
System	Typical Winter Day (5 to 50 days/winter)	Cold Winter Day (1-in-2 year)	Extreme Cold Day toAPD (1-in-10 to 1-in-90 year)	
Peninsula	ОК	OK	<ul> <li>High risk of core curtailment of 930 customers (SF Financial District)</li> <li>100% curtailment of 122 Peninsula noncore customers</li> <li>~ 240 MW reduction at certain critical power plants</li> </ul>	
San Jose/Morgan Hill/Gilroy	ОК	ОК	<ul> <li>50% curtailment of 60 South Bay noncore customers</li> <li>~ 430 MW reduction at certain critical power plants</li> </ul>	
East Bay	OK	OK	<ul> <li>50% curtailment of 85 East Bay noncore customers</li> <li>~ 260 MW reduction at certain critical power plants</li> </ul>	
Central Coast	ОК	OK	<ul> <li>50% curtailment of 84 Central Coast noncore customers</li> <li>~330 MW reduction at certain critical power plants</li> </ul>	

**Note**: Above is one curtailment option to illustrate magnitude of impact. Further review and input from the ISO and others are required to develop a curtailment plan.



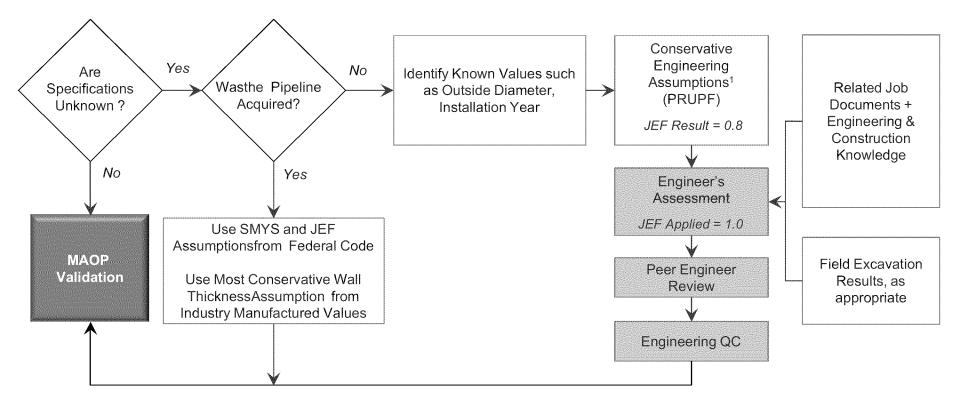
## **Pipeline MAOP Validation Timeline**



1. HCA miles includes pipelines in Class Location 3 & 4, and HCA Class 1 & 2



### Oct 2011 Process

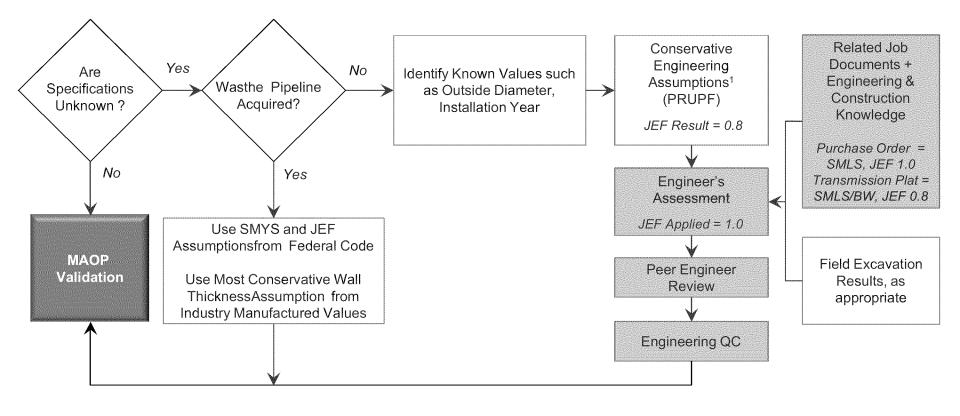


Steps with Errors

7

1. In accordance with PG&E's historic material specifications

#### Oct 2011 Process



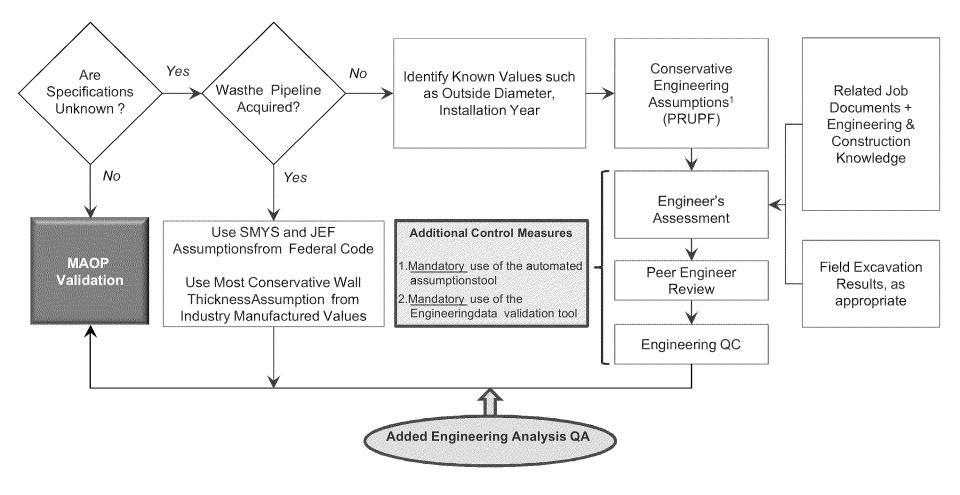
Steps with Errors

8

1. In accordancewith PG&E's historic material specifications



### **Enhanced Process – December 2011**



1. In accordancewith PG&E's historic material specifications



# Appendix



	Maximum Allowable Operating Stress Level (% SMYS)			
Class Location	Pre-1971 Class Change		Post-1971 Class Change	
	Strength Test Per 192.611 (1971-1974)	Strength Test Per 192.611 (post-1974)	Strength Test Per 192.611	
2	72%	60%	72%	
3	60%	50%	60%	
4	50%	40%	50%	